

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "George T. Pasek Jr." <pasek001@maroon.tc.umn.edu>
Subject: [4062] 40m End Fed wire
Message-ID: <44334.pasek001@maroon.tc.umn.edu>

Has anyone built/used a matching device to match to the high impedance seen at the feeder end of a 1/2 wave 40m wire?

I'm going to be putting together a 49er and the logistics of using a longwire antenna over a dipole being less supports needed (it could be hung out a window or over the edge of a building) makes it more adaptable to my needs.

I have seen the "40 meter End Fed Antenna" diagram on Frank's g3ycc@enterprise.net home page. In digging thru my junk box I found I did have some old RF/IF cans with 1/4" coil forms about 1" long that I could use to make this matching unit. How well does it work?? Any suggestions or comments about the 1/2 wave wire vs the dipole? I'm running a dipole at home which works well, but the wire seems simpler for field use.

Thanks for any comments

de George
WD0AKZ

QRP-L #610

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [4064] 49er For Sale
Message-ID: <1.5.4.16.19960912092417.2e1f2608@206.158.2.1>

I have a 49er kit that has been assembled and the receive portion has been checked. I have not attempted to transmit with it. No enclosure. Buy a box of Altoids. :-) \$25 ppd to any US address.

72/3 Allen Jones, K9DZE
ajones@adsnet.com

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: Peter Barville <peter@barville.demon.co.uk>
Subject: [4086] 8Q7AS QRP
Message-ID: <lSp89EAfqD0yEw0Q@barville.demon.co.uk>

Hi Gang

A brief note to say that today (at 1605z on 14060.6) I was lucky enough to work Andy (G4VPM) 2-way QRP. HE was running 5 watts into his R7, and I was running 3 watts into my DX-32 2 ele tri-bander. Condx have been awful the last couple of days, and his signal was pretty weak with plenty of qsb. However, he is active from 8Q7 (until around the end of next week) and so you might want to keep an ear open. Good luck.

72

--

Peter G3XJS

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [4110] Argonaut & R-71A off the block
Message-ID: <19960912.212229.4447.0.wb2vuo@juno.com>

Last week I listed a Ten Tec Argonaut and an Icom R-71A for Lou, KA2DQA. Lou doesn't have an E-Mail account yet, and thanks to whomever from the QRP-L that called, won't in the foreseeable future...

I got a packet message from Lou today, and he is withdrawing the items from the Sale table. The reason that he's doing this is that a member of the QRP-L, who Lou wouldn't identify to me, called him on the twisted pair, and offered him \$140.00 MAX for the Argonaut, saying that "it's not worth any more than that..."

(Lou was asking \$260 with a Desk mike, and the outboard calibrator, and WOULD have discussed the price, within reason...) He felt that this was an insult, and is putting the rig back on the bench to run as a backup rig.

I have to agree with Lou. That was an INSULT, and I am sorry to see that it allegedly came from a member of this group. Even if it wasn't a QRP-L'er, it was still an insult.

I know this was posted earlier, but just what is a fair price for an Argonaut 509, in good physical condx, perfect electrically, and including a desk mike and calibrator worth??? My feel is \$220 - \$260 as described... Am I out in Left Field with this?

If you have a feel for this item, drop me a direct line (wb2vuo@juno.com)

72, Keith, WB2VU0, QRP-L # 582

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: TimMcFadden <101346.3062@compuserve.com>
Subject: [4061] Atlas 210X/215X
Message-ID: <960912131138_101346.3062_GHW110-1@CompuServe.COM>

Would like to ask the "List Gurus" about a used rig that I saw today. It is an Atlas 210X/215X. In good condition but owner wants about \$490.00 for it. Seems high to me. What do you guys think?? And what about the track record for this rig??

Would appreciate comments and tips. (buy low sell high- doesn't count :-)).

Tnx es 73

Tim DA2TF / KB2RLB from Beer Land!

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [4081] Cascade on 40m
Message-ID: <9609121807.AA19601@flowserver.stem.com>

Greetings! As I have mentioned, I am in the process of building my Cascade on 40/17. The mod described in Qrpp calls for connecting pin 23 to pin 25 on the 75m band card. However, they are already connected...nice gold trace...does anyone have any insight on this? (i.e - am I supposed to disconnect the pins, dance on them, I can't read and it really says...)

thanks

dave

=====

David J Adams	N9UXU QRP-L #83
dave@flowserver.stem.com	NorCal QRP #1442
(415) 813-5028	Flow Cytometry Specialist

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: WJ4PRandy@aol.com
Subject: [4092] CP/M cw pgm?
Message-ID: <960912175217_100508184@emout19.mail.aol.com>

Hey gang,
Do any of you know of any CP/M based morse terminal
programs (both rcv and send).
I have an old Epson PX8 laptop that looks like it could
be used as a CW keyboard.
Thanks in advance...
73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [4054] CT3/G4MQC QRP
Message-ID: <YV7VBQAfKxNyEwLs@barville.demon.co.uk>

A note for your diaries:

Stan will be going to CT3 (for one week) on 2nd October, and will take
some QRP gear with him. Allowing for the time to set up a station, he
is not likely to be active before 3rd Oct. Similarly, he will need to
dismantle the station before leaving on the 9th. He doesn't know what
facilities he will find for putting up an antenna, but hopes to be qrv
mainly on 14060 (+/- data qrm!) - probably early evenings. Depending
on condx, check the other bands as well. Good luck.
72

--

Peter G3XJS

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [4072] Definition Please.
Message-ID: <Pine.BSI.3.93.960912120941.23025B-100000@u1.abs.net>

TO: wylde@nccn.net (Grover Cleveland WT6P)

Hi Grover,

I think I asked this question before, but don't recall getting a

response. Would you please define "Archaeominiferroequinologist".
I was not able to find it in any of my books.

- - -

P. Grover Cleveland WT6P / QRPARCI 3795 / ARS 101 / Norcal 216
Sr. Engineer - Tektronix/Grass Valley
Archaeominiferroequinologist
Fairmont Speeder Pilot
Certified Steam Locomotive Driver
Certifiably Loony

Can also be found at: cleveland@usa.net
grover.cleveland@tek.com
71213.2741@compuserve.com
<http://ourworld.compuserve.com/homepages/gcleveland/me.htm>

Grammatically yours,

WT6P

72,73 es
QRP DX TU (C) 1986 G. Danny Gingell, K3TKS@abs.net
Maryland Milliwatt Club QRP Reference Library, (301)572-6789

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [4071] Explorer II - Last Chance
Message-ID: <960912155027_75230.1405_HHB46-1@CompuServe.COM>

As many of you know, the Oak Hills Explorer II has been superseded by the OHR100.
The 100 is a great kit and a great rig, but then again it's another \$60 as compared with the EX2. The Explorer II is destined to be one of the "classic" QRP rigs, and if you haven't built one your really should!

I've obtained the very last few Explorer II's from Oak Hills, all on 30M, and still at \$99.95. You guys get first crack at them. Shipping is \$5.50 which covers Priority Mail delivery. To order yours, call me on 1800-238-8205, or send an e-mail credit card order to me at 75230.1405@compuserve.com or via my web page-- <http://ourworld.compuserve.com/homepages/mtech>

Don't delay, because they won't last.

73

Marshall

AA0XI

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: "Gary Nye" <gcnye@brutus.bright.net>

Subject: [4089] Field Day special

Message-ID: <199609122107.RAA03599@brutus.bright.net>

I would appreciate it if anyone can copy an article from the June 1984 QST about a "Field Day Special" antenna. Does anyone have any experience with this antenna? A model was included with EZNEC and it looks interesting.

tnx & 72,

Gary

=====

Gary Nye WD8KQY gcnye@bright.net

Tiffin, OH

QRP-ARCI #5705 QRP-L #446 NORCAL #???

=====

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: Brian.S.Allen%NCAOCISD@smtpgw.aoc.state.nc.us

Subject: [4098] FS: Vibrokeyer-Single Lever Paddle

Message-ID: <m0v1L4x-0001HqC@aoc.state.nc.us>

Chrome base and top parts, jeweled movements

Serial # 230,916

The Vibropelx Company, Inc.

833 Broadway

New York, NY

Due to rust, the top of the chrome base has been sanded with intention of rechromeing. The top of the base was the only area effected. All other parts in excellent condition.

Best offer + shipping

Brian KB4MNG, NC

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [4107] GATE 2 Thoughts and com
Message-ID: <960913022251_70731.722_EHM103-2@CompuServe.COM>

> Are there really that many vain people who NEED a 1x2 or 2x1 to
> show the world they are extras?

Vanity is alive and well under the sun. Witness the over-the-counter sales of Rogaine hair restorer.

Dan
70731.722@compuserve.com

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [4108] GATE 2 Thoughts and com
Message-ID: <960913022249_70731.722_EHM103-1@CompuServe.COM>

> It's pretty obvious that the bone-heads in the FCC were clueless when
> pricing Vanity calls. I have always maintained that the Feds could
> EASILY charge \$1,000 for a Vanity call. I'm sure there would have been
> few objections to the original \$70 price tag.
>

Amen to that. I was surprised at the original price of only 70 bucks, let alone thirty. \$30.00 for 3652 days is less than a penny a day (the price of keeping the vanity call once you obtain it is \$30 per 10 year period).

Dan
70731.722@compuserve.com

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: TimMcFadden <101346.3062@compuserve.com>
Subject: [4070] Got the picture!
Message-ID: <960912150855_101346.3062_GHW45-1@CompuServe.COM>

To all of those that have so quickly responded to my question about the Atlas 210X-- Tnx!!

I will tell the guy thanks but no thanks!

PS. I was just window shopping anyway ;-)

73

Tim DA2TF / KB2RLB

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: "Thomas J. Whalen" <whalen@swcp.com>

Subject: [4097] Half wave antenna

Message-ID: <Pine.SUN.3.91.960912162742.14015A-100000@kitsune.swcp.com>

Dont overlook feeding the half wave antenna with a quarter wave stub using either 300ohm twin lead or 450 ohm ladder line. One must consider the velocity factor of the line also.I've used this method for antennas from 30 meters two meters with great sucess. The great advantage is that you dont have to mess with a tuner in the field.

Tom WB5QYT QRP-1 #640

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: Luke Enriquez <ecsclfe@lux.latrobe.edu.au>

Subject: [4069] INV VEE problem: for what it's worth

Message-ID: <9609121525.AA22893@lux.latrobe.edu.au>

Howdy,

>Mesuring resistance across the coax connector must show
> an open circuit

Well you were spot on with suggestion number one.

Thanks.

The antenna performs very well. As I said, its made with 7 strand copper building wire, PVC waterpipe for end insulators, fed with RG-58 and 20 turn choke at the feedpoint. It took me 15 seconds to tune for a VSWR of 1:1. The hardest bit about the whole thing was finding a suitable

tree. Once I found the tree, it turned out to be one with soft mushy bark. Very Very hard to get a rope, or fishing line over a limb and have it slide down (as the rope or line just cuts into the bark and stops). The center is probably about 10m above the ground.

Regards,
Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecscife@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Luke Enriquez <ecscife@lux.latrobe.edu.au>
Subject: [4056] Inverted V Problem Solved!!! :)
Message-ID: <9609121014.AA13393@lux.latrobe.edu.au>

Howdy,

I hope all those who replied to my request for help don't feel angry because the problem was a short circuit in the PL-259 Plug. Therefore, I was trying to "TUNE" a dead short. Still, 3:1 SWR is not a bad match for a short don't you think? :)

Regards,
Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecscife@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [4093] Just Checking
Message-ID: <9609122203.AA00257@flowserver.stem.com>

Greetings! Hate to waste the width, but is everyone getting the list okay? I'm not getting anything since yesterday...I've already checked the list and I am still subscribed, and my machine is still receiving mail from the outside world...just not this list (or boatanchors...)...I figure this will generate a few zillion replies, but I need to KNOW if the problem is on my end...

73 de dave, n9uxu

David J Adams N9UXU QRP-L #83
dave@flowserver.stem.com NorCal QRP #1442
(415) 813-5028 Flow Cytometry Specialist

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4067] K5FO/3
Message-ID: <199609121513.PAA14348@chuck.dallas.sgi.com>

Gang,

I got yanked out of Dallas on Tuesday to handle an urgent situation in Silver Spring MD. I did manage to grab the SWL40, a dipole, the keyer and paddle and battery on the way out the door. I'll try to work some on 40M tonight. The usual 7.040 neighborhood. This is the first night I've had to myself.

I'll be back in Dallas late Friday and then back to MD again on Sunday for a week for the regularly scheduled programming. :-)
This year has been a lot of trips.

See you on 40M. Next month it is NYC and Pacificon and

dit dit

p.s. MD gang, let's do dinner next week.

Chuck Adams (K5FO CP-60) 49/49/50 adams@sgi.com
EMPS Qs=0 STATES=0 DX=0

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: w7ls@brigadoon.com

Subject: [4055] Kantronics 8040A 4Sale
Message-ID: <199609120727.AAA29358@olympic.brigadoon.com>

Hi, gang. I have a spare qrp receiver for sale or swap. It is a Kantronics 8040A that covers 80 and 40 meters (duh...). It is smallish, about 2/3 the size of a HW-7 and runs off of a couple of 9v batteries inside. Has a snap-crackle-and-pop sound in it (maybe a rice crispy is stuck somewhere). I haven't had a chance to look at it. It is a really simple design, so it can't be too deep of a problem. I have the original manual and a copy. It does work, it just has a popping noise that sounds like a bad af chip or a cap.

This is an early rig, and actually a classic of sorts. I think it is from around 1980, but not sure. Not sure what it is worth, but I would entertain and offer of cash or some other qrp goodie to fool with.

73/72 de Jim, W7LS

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4096] Latest Project...
Message-ID: <199609122217.XAA29121@mail.enterprise.net>

Just finished the Sprat project from Practical Wireless and had it going on 80m. Found the tuning range was very limited, like 2Khz! Checked with George as his tuned the whole of the bottom end of 80. I did manage to extend this by altering the values of the series resistors in the tuning pot circuitry, but only managed 8Khz or so. Finally, I discarded that method of tuning and added a variable capacitor tacked onto the tuned circuit, with the moving vanes earthed. This was better. Got as much swing as I needed. Now have rebuilt it for 40m with the VFO on 2mhz-ish. Boxed that up with a xtl controlled TX and it works fine. First call, with 2watts out was DL, then HB9, then another DL. Keeping the original TX board on 80m for another rig...

Used a BD139 for the PA, priced 60p! Good for at least 4 watts out on 7mhz anyway!

Anyone else making the Sprat rig? Good little rig, am doing one for 14mhz now...

Cheers.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: Mike Duke <gmduke@oscar.TECLink.Net>
Subject: [4053] List Works!
Message-ID: <Pine.SOL.3.91.960912000801.21523I-1000000@oscar.teclink.net>

If I hadn't been on this list, I would have let the Radio Shack DSP-40 escape at the bargain price of \$29.97. I found one store locally with three. Now they have two.

Someone also gave me the correct number for Far Circuits very quickly.

Keep posting bargains please.

73, WB5ADC on a budget

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: GREGOIRE@endor.com (ERNEST GREGOIRE)
Subject: [4099] N.E.qrp club @ Boxboro
Message-ID: <199609122329.TAA32251@nss2.CC.Lehigh.EDU>

> Hi Ernie,
> I saw your sig in the QRP-L list and wondered if you could
> answer a question: will the NE-QRP group be doing anything
> at the Boxborough convention? Do you know what day and time?
>
> dave /nt1u
>

Hello Dave and Gang,

I havent heard a thing. The N.E. QRP club is a loose outfit. It has no officers, just a bunch of folks that do qrp things. I believe that the only thing that keeps us going is the 72 news letter. So I am possting to the list in the hope that if someone is doing a booth, they will tell us about it.

I can't imagine that some one in the club is not doing something there. I am bringing my solar controler project for display. If the N.E. qrp table is not there I will be showing it at the Jade Products booth.

de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
 QRP-L member #95. (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information

available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: facmsa@facilities.buffalo.edu (Adams, Mark S.)
Subject: [4060] Neat /P Reading&Operating Light
Message-ID: <1996Sep12.091200.1483.16445@facilities.buffalo.edu>

Hi Gang,

I just came across a really neat light for that special /P operation. It is described on the order leaf of the LEVenger catalog (usual disclaimer here). I quote:

PORTABLE READING LIGHT

The DarkEater looks more like a race car than a reading light, yet it provides a great way to supplement your reading light when traveling, in a hotel room, or in your own bedroom.

Simply lift the canopy and the light goes on. The elastic neck strap lets you position the light properly. And the DarkEater doesn't add weight to your book or interfere with turning pages the way clamp-on lights can.

I weights 4 oz. with its two AA batteries (not inc.) and is a mere 2" by 1.5" by 5.25" long.

LD351 \$11.95
2 or more \$9.95

End quote.

Since this light hangs from the neck it would put light right on that new log book from Wilderness Radio, and would follow you around camp!

Their phone # is 800-544-0880

They also have a nice selection of nice but inexpensive fountain pens.

72 de Mark N2VPK

Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [4075] new address
Message-ID: <3237DB70.161A@pacbell.net>

I did it again..new server..new address
from richqrp@worldnet.att.net to richqrp@pacbell.net

72's to all....rich

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: kgraham@CSWNET.COM (Kenton E Graham)
Subject: [4082] NW8020 review
Message-ID: <199609121828.NAA21819@troi.csw.net>

Can anyone point me to a review of this rig: NW8020. (or your own personal comments on it). Please reply to kgraham@cswnet.com if possible. Thanx.

-73- Ken K5ID

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Paul Stroud <aa4xx@ipass.net>
Subject: [4100] Roundtable Report
Message-ID: <32389E70.4C62@ipass.net>

> Hi Gang,

>

> I'm a little late in posting the Knightlites Net report for
> September 1st. We had the best turnout we've seen since last Winter,
> with several new stations checking in. Welcome to newcomers
> Steve-AA1BK, Ed-W3HXJ, and Terry-AE4EW.

>

> Several stations are checking in with attic antennas (AA1BK,
> AC4QX, and K3AS) demonstrating the old adage "Where there's a will,
> there's a way." We're also hearing a number of stations switching
> over to hand keys. This session Nick-KF2PH, Jeff-AC4Z0, and Gary-N3G0
> were running hand keys. I'm afraid it's contagious, as I'm currently
> on the lookout for a hand key, too.

>
> N3GO broke tradition by running A FULL QRP GALLON this go
> round. Seems he forgot to turn on his ALC. I knew something was
> haywire when Gary checked in with a 579 signal instead of his usual
> 5mW 229! The QRPP award for this session goes to Jim-KC1FB, whose
> 1 Watt transmitter was a very respectable 349 into North Carolina.
>
> It was good to hear all the Knights-both old and new-this
> session. We invite all amateurs to join in the weekly Roundtable
> Net each Sunday night at 10PM EDT (0200Z) on 3710 KHz. Use whatever
> speed and power level you're comfortable with, whether its 100mW or
> 100 Watts.
>
> Here's the Net Report for Sunday, September 1st:
>
> AA1BK Steve Raleigh, NC 449 5W Attic Dipole
> AC4ZO Jeff Cary, NC 599+ 9W High Dipole
> N3GO Gary Raleigh, NC 579 5W 80M Dipole
> W3HXJ Ed Pittsburgh, PA 349
> AE4EW Terry Hardy, VA 449 5W
> AC4QX Lauren Lake Gaston, NC 599 5W G5RV
> N9DD Tom South Bend, IN 349 10W Horiz Loop
> K3AS Bill Wilmington, DE 449 20W 60' Attic LW
> KF2PH Nick Patchogue, NY 339 2W Vertical
> VE3SP Ron Hamilton, ON 449 5W Vertical
> AE4IC Bob Greensboro, NC 599 5W Horiz Loop
> KC1FB Jim Norwalk, CT 349 1W
> KA3WTF Fran Larksville, PA 229 5W 40M Car Windom
> AA4XX Paul Raleigh, NC (NCS) 5W 80M Windom up 60'
>
> 72 till next week--de AA4XX

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Raymond Tougas <tru_blu@worf.omn.com>
Subject: [4091] Sierra For Sale!
Message-ID: <3238E85E.531F@worf.omn.com>

This is a multi-part message in MIME format.

-----1946C705F6D
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Obscenely HIGH offers cheerfully accepted!

-----1946C705F6D

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="OUT12SEP.TXT"

I have my beloved Wilderness Sierra for sale. It comes with the following:

>KC-1 Freq counter/Keyer
>Built & tested 80,40,30 & 20 meter band modules
>17 & 15 meter band modules, unbuilt and still in the wrappers.
Manuals for the Sierra and the KC-1.

This is an EXCELLENT radio, but my lawyer needs the money, and my ex-wife has spent all of mine! Get the picture? I'll buy more radios after the smoke clears from the divorce. Please send offers to this e-mail address.

Slightly Bummed,

Radio-Ray ..._ . _

-----1946C705F6D--

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: kenkd1xs <kenkd1xs@webconn.net>
Subject: [4104] SW-40 Mod
Message-ID: <199609130104.VAA00265@rabbit.webconn.net>

I know this was posted awhile ago, but does someone have a receiver mod for the SW-40? I believe it had to do with adding a couple of caps.

Ken Hanks KD1XS
Ken Hanks KD1XS
QRP-L #494 NEQRP #374 ARRL

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [4088] SWR and Reflection Losses
Message-ID: <Pine.SUN.3.94.960912164316.10437A-1000000@access1.digex.net>

A few people have asked me to send them my article on using low loss feed-line and showing that even with large SWR's most of the power gets out.

I will start from an article I wrote last month where I said, "You're biggest loss is likely to be in a poorly designed ATU, not the coax & definitely not in ladder line. (Ooh, now there's one for you, 450 ohm ladder line & a 75 ohm dipole give an SWR of 6:1 & yet no noticeable difference? Yup! Do the calculations and see. Use 7.040 MHz.)"

For this example I'm going to use the reflected power from the antenna due to the impedance mismatch as 50 watts (which would come from a mismatch SWR of about 5.8:1- see below) for a 100 watt transmitter. This is to make things a bit easier to visualize. If we were to loose all 50 watts we would be down by 3dB of power going out the antenna. Our second assumption is that the feed-line losses are 1% (about 0.04dB - ladder line) per 100 feet, and we have 100 feet of feed-line.

I hope a table will make this clear:

Trip	direction	power	Pwr Out
1	F	100.0	49.5
1	B	49.5	-
2	F	49.0	24.5
2	B	24.5	-
3	F	24.3	12.1
3	B	12.1	-
4	F	12.0	6.0
4	B	6.0	-
5	F	5.9	3.0
5	B	3.0	-
6	F	2.9	1.5
6	B	1.5	-
7	F	1.46	0.73
7	B	0.73	-
8	F	0.72	0.36
8	B	0.36	-
9	F	0.36	0.18
9	B	0.18	-
10	F	0.177	0.088
10	B	0.088	-
11	F	0.087	0.044
11	B	0.044	-
12	F	0.043	0.022
12	B	0.022	-

13	F	0.021	0.011	
13	B	0.011	-	
14	F	0.011	0.005	
14	B	0.005	-	
15	F	0.005	0.003	
15	B	0.003	-	OK enough already!

Lets add up how much power got out: ~98 Watts. So, there you have it. It took 15 round trips to get the power out, but we got 98 watts out of 100 with 1% loss per 100 ft. So, how long did this take?

15 X 200 ft = 3000 ft of feed-line total length. Signals travel at 186,000 mi/s 3000 ft (well make it easy and say 1 mile, 5280 ft) AND since I've increase the distance a bit I will ignore the decrease speed of the RF in the feed-line, so this comes out to about 0.000005 sec. This would not only not be heard on Morse code, but we wouldn't be able to hear such alterations on an SSB signal either.

So we see that for extremely low loss feed-line, even an SWR of about 6:1 causes only a 2% loss in transmitted power.

If we increase the feed-line loss to say 1.2 dB (about 25%) we get:

Trip	direction	power	Pwr Ant	Pwr Out
1	F	100.0	75.0	37.50
1	B	37.5	-	
2	F	28.13	21.09	10.55
2	B	10.55	-	
3	F	7.91	5.93	2.97
3	B	2.97	-	
4	F	2.22	1.67	0.83
4	B	0.83	-	
5	F	0.63	0.47	0.23
5	B	0.23	-	
6	F	0.18	0.13	0.07
6	B	0.07	-	
7	F	0.05	0.04	0.02
7	B	0.02	-	
8	F	0.02	0.01	0.01 - That's All!

Lets add up how much power got out: ~52 Watts. So, there you have it. If we have a high SWR we'd better have a very low loss feed-line, and if we have even one dB of loss in the line, we'd better have a good SWR match to the antenna!

NOTE: For a PERFECT feed-line to antenna match (1:1 SWR) and a 1.2dB feed-line loss we would only see 75% of our transmitted power getting

to the antenna! So, better feed-line is the bottom line!

dB loss per 100 ft at 7.04 MHz (Ref: ARRL Handbook 1992 Pg 16-14)

RG-58 ~ 0.98

RG-8 ~ 0.42

Ladder line ~ 0.04

Equations used: $\text{dB} = 10 \log(P_2/P_1)$ for dB loss $P_2 < P_1$

$\text{SWR} = (1+r)/(1-r)$

$r = \sqrt{P_r/P_f} = (P_r/P_f)^{1/2}$

P_r = reflected power

P_f = forward power

(Ref. ARRL Handbook 1992 for SWR: Pg 16-2 and for dB: Pg 2-7)

I hope this helps clarify why you can use ladder line with a good ATU and not worry too much about feed-line-antenna SWR.

72 & 73 de KE3FL/Phil

: -)

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: "Ahrens Tim" <tahrens@devmail.sps.mot.com>

Subject: [4065] THANK YOU LARRY!

Message-ID: <9608128425.AA842547942@devmail.sps.mot.com>

Larry - As one of a bunch of 40-9er 'hackers', I want to thank you for the effort you put into all of the mods.

I think that the 40-9er is a fun toy, and have made several contacts on it. I'm looking forward to the upcoming contest.

Again, thanks to you and all the others who spent their time to help the rest of us out!!

Tim WA5VQK

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Paul Stroud <aa4xx@ipass.net>
Subject: [4103] Wanted: Autek RF-1
Message-ID: <3238ACBB.3641@ipass.net>

Hi Gang,

I'd like to buy a used Autek RF-1 in good condition.
72,
Paul Stroud aa4xx@ipass.net

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Guy Dragoo <gdrag@proedge.com>
Subject: [4085] Whiterock Paddles and Keys
Message-ID: <01BBA0B4.F9279960@ft249.computek.net>

I have forwarded the following info with john's approval as it may be of interest to members as well as help keep another QRP supplier active and healthy. I have not purchased any of these products but fully intend to as they appear to be very interesting as well as cost efficient. Sorry for the bandwidth if this info has been distributed before.

73

Guy Dragoo AC5HL
So for what it's worth...

From: John L. Roblin[SMTP:wpc@west.net]
Sent: Wednesday, September 11, 1996 10:37 PM
Subject: Re: Paddles and keys

I am contacting you directly from Whiterook Products Company in Ventura, California regarding your inquiry about our "Pocket Mini-Keys and Mini-Keyer." I just joined the QRP-L Mailing List and feel perhaps that it may be inappropriate to contact members by posting this information on the message list itself. It is probably poor etiquette to do so! Here is the information about our line of Pocket Mini-Keys:

Model MK-22 Pocket Mini-Key: \$9.95

Model MK-33 Pocket Mini-Paddle (Single Lever): \$11.95

Model MK-44 Pocket Mini-Paddle (Iambic): \$11.95

Model MK-88 Electronic Pocket Mini-Paddle Keyer (Iambic): \$59.95

(Uses the Curtis 8044ABM)

Payment:

Sorry, no credit cards accepted at this time. Personal checks or money orders are fine.

All Prices Are POSTPAID in USA. We ship immediately upon payment via US mail.

Mexico / Canada: please add \$1.00

California residents only must add 7.25% sales tax.

As with all our products, we offer a 30 day Money Back Guarantee.

*Foreign Orders: outside North America please add \$3.05 plus \$1.00 for = each additional key. Please remit payment using an international postal = money order or similar method in US Dollars Only. Checks must have micro encoded numbers along the bottom of the check.

Size, Weight, & Color:

MK-22, MK-33, MK-44: Size: 2 x 2 x 1.5 Inches, Weight: only 1.3 = Ounces!

Color of base: red Color of Paddles: black (*Size: L x W x H)

MK-88: Size: 3 x 2 x 1.8 Inches, Weight: 2.5 Ounces.

Entire unit is black including the thumbwheel speed control. The = enclosure

is made of rugged ABS black plastic.

* Requires 2 Lithium coin cells, available from us @ \$1.95 each or Radio Shack @ \$2.79 each.

Design:

The MK-44 and MK-88 have the same mechanism: Two 0.5 x 2.25 x .062 inch ABS black plastic strips bonded to a clear acrylic 0.5 inch cube that is mounted in the center and to the edge of one side of the square 2.0 x = 2.0 x

0.70 inch red plastic base. A 0.5 inch aluminum spacer serves as the ground contact between the two paddles. Each paddle uses a 4-40 x 0.25 inch machine screw head as the contact. The screws are attached to = solder

lugs which run thru two small holes in the base. These lugs, along with the center ground contact, are soldered to a 3.5 mm stereo jack in the base. This is a unique feature that facilitates "plug & play" hassle = free

connection between the rig and the paddle. The MK-33 is similar except there is one single paddle with contacts representing "ground" =

positioned
between two posts representing "dit" and "dah". Contacts on this center
paddle are a #4 cap nut on one side, and a combination spacer / screw =
head
on the other. All our Mini-Paddles have square rubber bumpers at the =
end
of each paddle and four rubber feet on the bottom side of the base. =
The
MK-22 Mini-Key uses a tiny button switch mounted on a tiny PC board =
within
the box. A 1.625 x 0.75 x .062 black plastic strip is anchored on one
side of the case using two screws and two 0.25 inch nylon spacers. This
key arm is positioned over the switch plunger. A large 0.75 inch =
diameter
rubber bumper serves as the knob. As a result, the MK-22 has a clickety
feel to it. A 3.5 mm mono jack is used for connection to a rig.

This may all seem very simple and minimalist. We are proud to say it is
and it also works quite well. We guarantee it!

***Unfortunately, this description alone really does not do it justice.
You would have to see one in person to see how surprisingly unique =
looking
and functional these simple little keys really are.***

Thank you for the inquiry regarding our "Pocket Mini-Keys" line of
products. If you require more information, please send us a #10 SASE =
for
our full catalog of products. Our catalog has full details and nice =
clear
drawings. I am sure you'll find it interesting and informative.

73,

John Roblin, WA6KY0
President

Whiterook Products Company (WPC)
309 South Brookshire Ave.
Ventura, CA 93003-4413
U.S.A.

Telephone / Fax: +1-805-339-0702
e-mail: wpc@west.net
Coming Soon: The Whiterook Products WWW Page! Stay Tuned!

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [4063] World Radio Mag & 3 QRP-Lers
Message-ID: <32381A69.5CE4@bnl.gov>

Hi gang,

Just received my latest World Radio magazine. The first thing (qrp related) was an ad by Roy Gregson for his NW8020 kits. It was a nice eye catching ad. I hope he picks up some business from it. It was great to see a QRP-Ler in print.

Next thing I see is a nice article by Rich Fisher-KI6SN about Paul Harden's book. It mentions all the great things you can find from Paul's book. Then the topper... a picture from the front cover of Paul's book with an explanation of what some of the props stand for. Seems we just had a couple of post to the list regarding this very thing.

It was great to see some of our own group in the magazine. Keep up the good work guys.

72
Nick

PS - I'm going to put this email account into postpone mode for a while. I'm testing out my new Juno account with qrp-l mail from home. I can still be reached directly here at kf2ph@bnl.gov and now also under the new account at home at kf2ph@juno.com

Have a great day guys es 72 . .

--

Nicholas J. Franco	<><	BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist		RHIC Project Building 1005
Tel: (516) 344-5467		UPTON, NY 11973-5000
Fax: (516) 344-3674		http://www.rhichome.bnl.gov/People/franco
Email: kf2ph@bnl.gov		Ham Call: KF2PH QRP-L # 13 NE-QRP # 349

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: KFGlynn@aol.com

Subject: [4078] Would like copy of CQ Article from Apr 92
Message-ID: <960912135910_521253158@emout06.mail.aol.com>

Hi gang,

Unfortunately my library does not have CQ on microfilm from 1992. If anyone has the April 92 issue of CQ available I'd greatly appreciate a copy of the article on Helically Wound Antennas.

I'll gladly pay any costs involved in copying and mailing.

Tnx for the help.

73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [4073] RE: 40m End Fed wire
Message-ID: <960912121432.20206956@carib.vf.mmc.com>

George,

Yes the end-fed half-wave can be a very practical antenna for a quick-up/quick-down portable set-up. I know that Jim Fitton - W1FMR uses that sort of setup. He uses a half-wave radiator and one or more 1/4 wave counterpoise wires. He built himself a special "tee" tuner and SWR bridge into a small die case box. He calims that it works quite well.

I've done some work along those lines - I'll tell you a little, but yu'll have to wait for an upcoming article in QRP Quarterly (and QRPP?) for full details. I use a parallel resonant circuit to connect to the antenna. It is tunable so that you can tune out any reactance. The bottom side of the tuned circuit is the "cold" side and goes to at least one 1/4 wave counterpoise wire. Usint the counterpoise helps keep rf off the coaxial feedline. The low impedance connection to the coaxial feedline is via taps on the inductor.

MIne uses a 0.68 " toroid and a small variable capacitor. It's probably fairly similar to the one on the G3YGG web page. It will get its baptism by fire in the upcoming QRP Afield on Sept 21.

72/73,

Joe E., N2CX

1. Make the Coil L1 out of at least #14 on a large coil form for low loss, especially necessary at QRP. 2" diameter is usually sufficient. I used 28 turns, 1/4" spacing on a 2 1/2" form. That was about 15 uh, the variable was 150pf with a 470pf capacitor in parallel with it. That made about a 470pf to 620pf capability. The capacitors should be of the transmitting variety because of the large voltages involved in a parallel circuit.

2. The L1/C1 combination should resonate at or near the operating frequency BEFORE the antenna or transmitter is hooked up. The resonant freq will probably change after ant is hooked up, that is why C1 is variable. My first antenna actually acted like an added inductor in parallel with L1, raising the resonant freq! Different antenna lengths will have various results.

3. After resonating The coil/capacitor/antenna combination via grid-dip meter, or any of your favorite methods, adjust tap for power in for lowest SWR. It is usually a few turns from the bottom of the coil.

The ground doesn't need to be so great, because of the high imped end is at the feed point. There are other losses associated with this antenna but, they can be very low. I had one of the best winters on 160 that I had had in a long time with this antenna and highly recommend it. Should work great on 40!

A portable set-up would be easy to assemble and very effecient for your usage!

Good luck George, de

```
*****
*                                     Greg Weinfurtner AEE BSS *
*      NN      N      SSSSSSS      8888888      0000000      Electronic Design Splst *
*      N N      N      S           8      8      0      0      Ohio University Athens *
*      N N      N      SSSSSSS      8888888      0      0      GO BOBCATS! *
*      N      N N           S      8      8      0      0 *
*      N      NN      SSSSSSS      8888888      0000000 *
*                                     Can thou send forth lightnings *
*                                     Amateur Radio          that they may go and say unto *
*                                     DXCC WAS EM89          thee, 'Here we are'? Job 38:35 *
*      weinfurtner@ouvaxa.cats.ohiou.edu *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****
```

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4094] Re: 40m End Fed wire
Message-ID: <199609122217.XAA29082@mail.enterprise.net>

I have used the end fed as described on my web pages and yes, it does work. There was a commercial version for sale some few years ago. They worked too. You can use any container of course and a former for the coil from an old i.f can is ideal. Try a two bander maybe. Two tuned ccts in one box, with sockets for the appropriate end fed wire.
Have fun!

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4095] Re: 49 er and BCI
Message-ID: <199609122217.XAA29099@mail.enterprise.net>

I suppose the real problem is that the ne602 is not the best mixer in the world! To lessen the BCI problem, you would need to use a balanced mixer, like the MD108, SBL1 etc with plenty of bandpass filtering (no RF stages!), in front of it. We in Europe suffer more than in the USA, so I am told and some time ago articles appeared in Sprat on the matter, when G-Filters were designed with our problems in mind. These were loosely coupled parallel tuned circuits directly ahead of the mixer. They helped quite a lot. Of course, 7mhz is the worst possible band as far as G Land is concerned for DC receivers. However, I hope you enjoy using the little set, but in my views, it needs a lot of mods to make it at all useful in my neck of the woods. I have tried it and gave up.
Cheers.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Denton Bramwell" <denton@cyber-west.com>
Subject: [4106] RE: advice on DVM
Message-ID: <01BBA0E6.1B474B40@cyber-west.com>

I used to spend a good deal of time in the orient, much of it working =
with various suppliers of test equipment. My personal observations:

One of the big advantages of a DMM over a non-electronic analog version =
is the constant, high input impedance, almost always 10 megohms on the =
decent models.

In the AC volts mode, many analog meters are accurate up to a megahertz =
or so. Unless you have a true RMS version, most DMMs are only accurate =
to a few hundred Hz. The true RMS feature usually extends this range =
through the audio range.

Most decent meters are overvoltage protected to 500 volts, the less =
expensive ones to 250.

Three and a half digits and .5% basic accuracy are normally ample. If =
you do want a better meter, and opt for 3 3/4 digits, or for 4 1/2 =
digits, be sure there is a commensurate increase in accuracy. There are =
cheap 4 1/2 digit meters that have more resolution but the same accuracy =
as your basic 3 1/2 digit versions.

In my experience, autoranging belongs on a bench meter, not a hand held. =
It adds a lot of cost, and is generally slow enough that you can get =
your data faster from a manually set meter.

Remember, most of the meters come from just a few factories: Escort, =
Appa, Chung, etc. in Taiwan and a few in Korea. The EXACT same model is =
sold under various model numbers, and at widely varying prices. B&K, =
for example, buys a lot of meters from Chung, and sells them for a =
premium price.

Fluke does make a fine product, no doubt about it.

Because of their high volume, RS often has the best deal in town, but be =
darn sure you read all the specs before you decide. =20

Denton
K7OWJ

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [4084] Re:Advice on DVMs
Message-ID: <M1047180.002.mq8m1.1.960912170734Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

K1QQV de N6WG

Ken:

Your comment, "ALWAYS check your test leads on the Ohms scale before using them

to verify that a high voltage circuit is dead..." is so obvious, I'm stunned that it never occurred to me in over 40 years in the electronics business. I've never seen or heard this hint given in training schools, either.

Just shows even an old dog can learn a new trick.

Many thanks and 72,

Bob N6WG

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: "J. Skalski" <jskalski@acsu.buffalo.edu>

Subject: [4077] Re: Atlas 210X/215X

Message-ID: <Pine.GS0.3.93.960912135504.8496B-1000000@destrier.acsu.buffalo.edu>

It is high for a 210X (Assuming that was in US dollars :-)

A local ham bought one for \$150 with power supply.

I've seen many for around 200-225.

73,

Jim N2G0

The Buffalo QRP CONNECTION

ARCI #9013 QRP-L #381

jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996

From: JCoote@aol.com

Subject: [4109] Re: Can't take much more of this.

Message-ID: <960912224450_477600112@emout05.mail.aol.com>

In a message dated 96-09-11 21:14:54 EDT, wylde@nccn.net (Grover Cleveland WT6P) writes:

<< Seen far too often:

>I have to sel some radio's
 ^^^ ^^^^^^

(No, the plural of "radio" is "radios".)

>I can't! If I have to pay tax's,
 ^^^^

(No, the plural of "tax" is "taxes".)

> For sell, beautiful Yeasu . .
 ^^^^ ^^^^

(Good grief! Just look at the front of the radio - it's a "Yaesu".)

So this is what a public school education has come to.
A minor tragedy I think; not a tragedy that will cause
the world to stop rotating, but one that points out many of the
"technologically enhanced" to be boors and buffoons.

Grammatically yours,

WT6P

>>

Some excellent points, sir!

Some of my favorites were seen on packet:

(e.g.) packett, packit, paket, computer, computir, controllor, beem, rotar,
keyor.

Then there are those who have not discovered how to release the CAPS LOCK key
on their keyboards... and those who think it amuses others to type in their
version of abbreviated CW, particularly by using "ES" when it is easier to
type the word 'and' or just hit the & key if they can't spell 'and'.

oUr Email'z ES paketses IS vieWde ALL oVoR the Wurld, so's let's shoW them
us Amercian,s all isnt elliterates ES dummies. 73'rds ES GL.

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Jim Kortge, K8IQY" <jokortge@tir.com>
Subject: [4101] Re: Cascade on 40m
Message-ID: <1.5.4.16.19960912235507.0cf7055e@tir.com>

At 11:07 AM 9/12/96 -0700, Dave Adams, N9UXU wrote:

>Greetings! As I have mentionned, I am in the process of building
>my Cascade on 40/17. The mod described in Qrpp calls for connecting

>pin 23 to pin 25 on the 75m band card. However, they are already
>connected...nice gold trace...does anyone have any insight on this?
>(i.e - am I supposed to disconnect the pins, dance on them, I can't
>read and it really says...)

>
>

Hi Dave, since I wrote the article for QRPP, maybe I can help you. If you made the modification to the PC board before installing J4, the band module connector, you don't have to do anything to the 75 meter band module to make it switch the VFO capacitor for 40 meters. However, if you didn't remove the mistake on the PC board before installing J4, you will have to CUT the trace on the 75 meter band module between pins 23 and 25, and run a jumper between pins 24 and 25.

There is a mistake (oversight?) in my article regarding this point. What you want to end up with is the ability to switch in the additional VFO capacitor on 40 meters, and this can't be done using the 75 meter band module board if the mistake in the main PC board isn't fixed, or, and alternative set of band module pins used for the switching. Unfortunately, I didn't realize that the main PC board had a mistake in it until after I had J4 soldered in. I decided to live with that situation, and used pins 24 and 25 on the 75 meter module to do the switching instead.

Hope this helps, and sorry for the confusion. I'll post this response to the group, there may be others out there who would appreciate the update.

72...Jim

PS...you're welcome to call (not collect) me if you need additional info.
810.629.0378

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com		__o Cascade 17/40 SSB
Fenton, MI		_'\<, Mizuho 17/40 SSB
...	..	 (*)/(*)

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [4083] Re: Definition Please.
Message-ID: <Pine.SOL.3.94.960912150816.5048D-100000@utkux4.utcc.utk.edu>

> I think I asked this question before, but don't recall getting a

> response. Would you please define "Archaeominiferroequinologist".
Old tiny iron horse student=antique model railroad engine collector.

Either that or a very old experimenter in using horse parts as substitutes
for Amidon cores for coils.

-73-

LB

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "Denton Bramwell" <denton@cyber-west.com>
Subject: [4105] RE: end fed half wave
Message-ID: <01BBA0E6.21C37340@cyber-west.com>

The end fed half wave is an excellent portable antenna. I have used one =
many times on 40, inverted L style. =20

Most of the losses in an antenna fed against ground come from currents =
circulating in lossy earth. This can be modelled as a resistor in =
series with your antenna. If your ground losses amount to 66 ohms, and =
your antenna's radiation resistance is 33 ohms, most of your power will =
go to warming worms rather than making contacts.

On the other hand, if your ground losses are 66 ohms and your feedpoint =
impedance is 2,000 ohms (as in an end fed halfwave), your ground losses =
will be so low that you'll never notice them.

Two or three 10 or 15 foot radials flopped out on top of the ground make =
an adequate ground system.

It's a good idea to cut your antenna to a physical halfwave, rather than =
an electrical halfwave. It will be a little bit reactive, but your =
tuner will handle that, and it will require a lot less retuning as you =
move frequency.

There are LOTS of different ways to match it. I used a T tuner, but an =
L tuner or a tapped parallel LC circuit will work equally well. The =
important thing is to use a very high Q inductor, or you will have =
significant tuner losses. A slug tuned RF coil is not going to work =
well at all. Use a tapped air core, or good quality roller coil.

Denton
K7OWJ

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: KFGlynn@aol.com
Subject: [4059] Re: GATE 2 - SURVEY (SORT OF)
Message-ID: <960912090258_521102368@emout05.mail.aol.com>

Thought that I would still have to go for a 2 call since I live in NY?

73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: jim seeber <u1002895@warwick.net>
Subject: [4079] Re: GATE 2 Thoughts and comments
Message-ID: <323875E9.5D41@warwick.net>

KFGlynn@aol.com wrote:

>
> Hi Jim,
>
> Wondering if you have any old straight keys that are collecting dust that
> you'd want to sell. I use a straight key myself, and can go up to 20 WPM or
> so consistently. Just beginning to learn a paddle, but that's off the air
> until I get it going well. Using an old flameproof Navy key, and was eyeing
> the Nye Master Key. Any for sale?
>
> Tnx
>
> 73 Kevin KB2TE0

Hi Kevin, no I use what I have, (not a collector), I use the Navy Flameproof also; nice speed adjustments. I have two nye viking master keys(one out on loan) which I am very pleased with, although I have seen better built.

Last year I bought the benchner straight key, and its a nice performer also. Now if only all the rig makers would standardize to either a mono plug or a stereo plug, it would make life easier.
72/73 Jim KW3U

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Luke Enriquez <ecsclfe@lux.latrobe.edu.au>
Subject: [4102] Re: INV VEE problem: for what it's worth

Message-ID: <9609130031.AA01026@lux.latrobe.edu.au>

Howdy,

> > The antenna performs very well. As I said, its made with 7 strand
> > copper building wire, PVC waterpipe for end insulators, fed with RG-58
> > and 20 turn choke at the feedpoint.
>
> For furture reference, I have found that the traditional inducance
> formula for a single layer solenoid gives a result within 10% when the
> "wire" is RG-58U close-wound (based on measuring series resonance
> in combination with a known capacitor). As a rule of thumb, I try
> for an inductive reactance of at least 400 ohms. Though your choke
> may not be that high (you can calculate it), *any* signaificant
> reactance will help keep RF off of the outside of the coax braid.
> This is useful for keeping the RF off of the operating position.
> Of course, that doesn't matter much at QRP, but for 100 watts and
> more it is worth putting that choke in as you did. :^)

Yes, Thankyou for that information. We also have a ground rod,
and all equipment for the event (80m, 2m, UHF CB, 27Mhz CB) will be grounded
to the same point (A Brass Earth Terminal Bar). We will have to bury the
rod horizontally, otherwise we might not ever get it out again!

> >It took me 15 seconds to tune for a
> > VSWR of 1:1. The hardest bit about the whole thing was finding a suitable
> > tree. Once I found the tree, it turned out to be one with soft mushy bark.
> > Very Very hard to get a rope, or fishing line over a limb and have it
> > slide down (as the rope or line just cuts into the bark and stops).
> > The center is probably about 10m above the ground.
> >
>
> Well, that is all part of being a practicing "antenna engineer." :^)
> Propagation on 80 has been picking up here lately...hope it is
> favorable for you too.
>

Yes it has actually. I was speaking to VK4 (I'm in VK3) on 80m,
CW. Actually, since I've set up my HF station I havn't made a SSB contact!
I think one of the reasons is because I'm already talking voice on VHF.
Who wants to strain their ears listening to SSB on 80m (esp. in the
inner city like me where noise is a real problem).

CW (and I'm no expert, I've only made 3 contacts at 7 wpm),
gives me a feeling similar to that of fox hunting (ie: radio direction
finding). Its a challange. Oh, On paper, I'm qualified for 10 wpm (which is
the full call in VK land), but add fading, noise, and the speed goes down.

Oh well, I suppose it just takes practice.

Regards,
Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecslife@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Luke Enriquez <ecslife@lux.latrobe.edu.au>
Subject: [4066] Re: Inverted V Problem Solved!!! :)
Message-ID: <9609121458.AA19158@lux.latrobe.edu.au>

Howdy,

> I'll bet others point this out:
> If you measure 3:1 SWR into a dead short, then you've got much
> loss between your SWR meter and that short, possibly in your coax.
> So you're losing about half your transmitted power somewhere.
> You might be able to improve your radiated power by
> a good amount. Or I suppose your SWR meter might be faulty.
> Glen VE3DNL
>

Roger that. I didn't actually measure the 3:1. I was just told it had 3:1 to one and I was too get it down lower. I had trouble getting any VSWR to go down, although it did dip to about 10 at one stage. It didn't take me too long to figure out that I wasn't even getting noise into the reciever. Unfortunately, I had left my DMM at home (stupid me).

So to determine if I had a short, I got the center pin of the PL-259 and the earth leg of the inverted V and short a pair of battery terminals. A smallish spark was jumping, so I new something was wrong. I chopped the PL-259 of the coax, stripped the coax and checked for a short. No short!

I did the same with the PL-259 and major sparks flew! Luckily, I had bought (for the extra 50 cents) a good quality USA Made Teflon PL-259 (most use plastic these days). This meant I could use my mini-pencil butane torch and desolder the PL-259, and get the coax out.

My mistake happened because I had not used the PL-259 type plug with the screw in adapter for RG-58 type coax. I've certainly learnt how to use

them now! Well, it cost me the time and fuel to drive all the way back to the camp site.

Not that you guys will hear us, but we'll be using 3.590 for the Scout Radio Electronics Service Unit net (the whole reason we had to get the antenna working was because we are net control).

PS : I actually did here one 80m station with the shorted antenna.

Regards,
Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecslfe@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Luke Enriquez <ecslfe@lux.latrobe.edu.au>
Subject: [4068] Re: Inverted V Problem Solved!!! :)
Message-ID: <9609121515.AA19730@lux.latrobe.edu.au>

Howdy,

> Hi Luke,
>
> Don't ever forget that a dead short or a complete
> open can both read 1:1 on a SWR meter.
>
> (To prove that, take a piece of coax and hook it to
> the rig. Leave it open and measure the SWR. Then start
> cutting in shorter and shorter and you will find a spot
> where you have a good match!)

There is a reason why you can get 1:1 with such conditions.

For a lossless transmission line (which doesn't exist but it makes the maths easier), one has :

$$Z_{in} = Z_0 \left[\frac{Z_L + jZ_0 \tan \beta l}{Z_0 + jZ_L \tan \beta l} \right]$$

Where Z_{in} = The Input Impedance
 Z_0 = The Characteristic Impedance of the Transmission Line
 Z_L = The Load Impedance
 β = Phase Constant
 l = Length of Line

If you plotted this on a graph you would end up with a graph similar to the TAN function.

So, voltage maxima and thus input impedance maxima occur at $\lambda/4$ and $3\lambda/4$

and current maxima and input impedance minima occur at $\lambda/2$ and $3\lambda/2$

ATU's prefer low input impedances.

>
> When I worked for a Motorola shop in Idaho, we were trying
> to find out why a radio stopped "getting out". SWR was 1:1.
> What we found was that the coax had been spliced using PL-259s
> and a barrel. The wind had rolled the line around on the roof
> and undid one of the PL-259s! Just happened to show a good
> SWR. Screwed it back together and they were back in business!
>
>

Yes, funny things can happen in the world of transmission lines.

Regards,
Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecsclfe@lux.latrobe.edu.au

--

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: rob3ert@juno.com (Robert G. Parks)
Subject: [4080] Re: Larry East's 49er Article in QQ
Message-ID: <19960912.090438.8982.0.rob3ert@juno.com>

My thanks to Larry & all connected with the 40-9er!!! I included ALL the mods into mine as I was building it; toroids and all. Fine piece of engineering and excellent follow-up by Larry and others. Please keep up the great work, fellows, even if "we" are stingy with our kudos!!!

I do understand Larry's concern. I used to write a column called "You gotta hear 'em" for a west coast periodical and NEVER heard anything from any one until I deliberately put serious errors into my column to see if anyone was reading it. Writing is a lot of work (what isn't?) and if you think no one is reading what you write, it makes one want to do other things!

Keep up the great work, fellows!

72/73 es gud dx
Bob Parks
K6AEC

P.S. Apropos the "thread" on "vanity" calls; my original call was W8HFT back in Michigan. When I moved to the west coast, I was given K6AEC, which I enjoyed as a cw call. When I upgraded, I got KB6JR, which was not enjoyable as a cw call. When the first gate opened, I got K6AEC back (as you can see!). I suppose it might be nice to have a 1X2 or such, especially if one works contests (which I do not), but that's not my desire. On the other hand, "vive la difference"; if that's what you want and it doesn't hurt anyone else, go for it.

Thanks for the bandwidth!

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [4076] Re: Neat /P Reading&Operating Light
Message-ID: <Pine.GS0.3.93.960912133440.8496A-100000@destrier.acsu.buffalo.edu>

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

On Thu, 12 Sep 1996, Adams, Mark S. wrote:

>
> Hi Gang,
>
> I just came across a really neat light for that special /P operation.

It would be handy for that trip to the outhouse late at night when camping :-)

I just got a neat toy. It is a Magnifying Headlight Model 57 made by Light-Tech, Inc. The unit is an Optivisor head mounted magnifier with a headlight mounted on it. The projected spot size is adjustable. The light runs on 120v ac and uses a wall mounted transformer. It is great for building and soldering small circuit boards. I can wear glasses while using the visor. I have a magnifier lamp that works well but sometimes it is difficult to position the parts or pc board so that it is in focus. With the optivisor I just have to move my head :-)

I got the unit as a gift for participating in a teleconference with a Drug company (prescription kind). They rated it as a \$100 value.

.
Light Tech Inc
8900 West Josephine Road
Sebring, Florida 33872
(914)385-6000

Jim N2G0
TBQC

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: talljazz@teleport.com (Dan Presley)
Subject: [4090] Re: Neat /P Reading&Operating Light
Message-ID: <v01530504ae5e01ad130d@[206.163.124.58]>

>Date: Thu, 12 Sep 1996 11:05:32 -0700
>To:facmsa@facilities.buffalo.edu
>From:talljazz@teleport.com (Dan Presley)
>Subject:Re: Neat /P Reading&Operating Light
>
>>Hi Gang,
>>

>>I just came across a really neat light for that special /P operation. It
>>is described on the order leaf of the LEVENGER catalog (usual disclaimer
>>here). I quote:
>>
>>PORTABLE READING LIGHT
>>
>> The DarkEater looks more like a race car than a reading light, yet it
>>provides a great way to supplement your reading light when traveling, in
>>a hotel room, or in your own bedroom.
>> Simply lift the canopy and the light goes on. The elastic neck strap
>>lets you position the light properly. And the DarkEater doesn't add
>>weight to your book or interfere with turning pages the way clamp-on
>>lights can.
>> I weights 4 oz. with its two AA batteries (not inc.) and is a mere 2" by
>>1.5" by 5.25" long.
>>
>>LD351 \$11.95
>>2 or more \$9.95
>>
>>End quote.
>>
>>Since this light hangs from the neck it would put light right on that new
>>log book from Wilderness Radio, and would follow you around camp!
>>
>>Their phone # is 800-544-0880
>>
>>They also have a nice selection of nice but inexpensive fountain pens.
>>
>>72 de Mark N2VPK
>>Member of the Buffalo QRP Connection
>
>Out west Eddie Bauer sells these lights-works well for camping radio.
>Dan N7CQR
>

From owner-qrp-l@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: Stanley Wilson <microres@crl.com>
Subject: [4087] Re: NW8020 review
Message-ID: <Pine.SUN.3.91.960912133314.23542A-100000@crl8.crl.com>

Kenton I am very happy with a NW8030. It has a very hot receiver. The
kit has quality parts and PCB. You only need to add a case and few very
minor hardware items. I think you would be very happy with the 8020.
de stan ak0b

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [4058] RE: QRPP on Email?
Message-ID: <960912083024.20206956@carib.vf.mmc.com>

Doug,

I concur with your decision to retain the hard copy method of distribution for QRPP. Others on the list have given additional reasons why this is a sound decision. I have one more to add.

Some of the material prepared for electronic publication does not undergo the same level of refinement that printed matter does. It tends to be more hastily prepared and doesn't get as carefully proofread, reviewed and rewritten as material for printing. And it seems to be more transitory. When you make the investment of time to write for a newsletter that is printed, folks take the time to write something that will last.

There *is* a place for on-line newsletters, but I think that the time and effort put into the printed versions like QRPP warrant the commitment and financial support that subscriptions bring.

Keep up the good work Doug, we appreciate and support your efforts.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Thu Sep 12 23:11:57 1996
From: W3HMS@aol.com
Subject: [4057] Re: QRPP on Email?...good decision.
Message-ID: <960912072042_477005506@emout03.mail.aol.com>

Doug.....you made a fine decision and I find your logic superb in supporting your views.....and besides I can't open a computer screen at will nearly as easily nor take my QRPP to the restaurant and dream about the projects I want to build, etc. HI!!!

73,

John, W3HMS